

HISTORIC AMERICAN ENGINEERING RECORD

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Castle Garden Bridge
(Cameron County Bridge No. 4)
Township Road 343 over Bennetts Branch of Sinnemahoning Creek
Driftwood Vicinity
Cameron County
Pennsylvania

HAER No. PA-444

Photograph (Views 1-21): James DuSel, P.A.C. Spero & Company September 1994

- PA-444-1 Environment, from east, showing Castle Garden Bridge carrying Township Road 343 over Bennetts Branch of Sinnemahoning Creek
- PA-444-2 Environment, from west, showing Castle Garden Bridge carrying Township Road 343 over Bennetts Branch of Sinnemahoning Creek
- PA-444-3 Environment, from north, showing Castle Garden Bridge carrying Township Road 343 over Bennetts Branch of Sinnemahoning Creek
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- PA-444-7 East elevation, north span
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- PA-444-9 Oblique partial east elevation of Castle Garden Bridge, from south, showing structural configuration of Pratt truss, including typical panels, downstream end of squared cut stone masonry center pier, and squared cut stone masonry north abutment
- PA-444-10 North portal and deck view, from north, showing inclined endposts, Pratt through trusses, north portal strut, overhead bracing, pipe rails and posts, and concrete deck with bituminous wearing surface

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- PA-444-11 South portal and deck view, from south, showing inclined endposts, Pratt through trusses, south portal strut, overhead bracing, pipe rails and posts, and concrete deck with bituminous wearing surface
- PA-444-12 View, from south, showing verticals, diagonals, and overhead bracing of south span Pratt through trusses, south portal of north span, pipe rails and posts, and concrete deck with bituminous wearing surface
- PA-444-13 Detail, U_5 connection of south span (west truss), from southeast and below, showing pin connection at vertical member U_5-L_5 , top chord, inclined endpoint U_5-L_6 , diagonal eyebars, and lateral bracing including portion of portal strut with lattice bars and brace
- PA-444-14 Detail, U_4 connection of south span (west truss), from southwest and below, showing pin connection of U_4-L_4 vertical, upper chord, lateral bracing, overhead strut, and diagonal eyebars
- PA-444-15 Detail, typical vertical member U_4-L_4 of south span, east truss, showing riveted lacing bars and channels, and "Cambria" imprint, indicating Cambria Iron Company fabrication of member
- PA-444-16 Detail, east truss of south span, showing railing, vertical U_4-L_4 , diagonal eyebar U_4-L_3 with turnbuckle
- PA-444-17 Detail, L_1 connection of west truss (north span) from northwest and below, showing pin connection at L_1 , bottom chord, floor beam, stringers, and portion of lateral bracing and concrete deck
- PA-444-18 View, underside of deck, from northwest and below, showing structural configuration, including pin connections of vertical truss members to lower chord, transverse floor beams, stringers, lateral bracing, concrete deck, and squared cut stone masonry center pier, including upstream concrete-encased nose
- PA-444-19 Detail, squared cut stone masonry center pier, from northwest, showing original cut stone masonry, concrete-encased nose on upstream end, portion of squared cut stone masonry south abutment, and portion of truss superstructure

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- PA-444-20 Detail, north abutment, from southeast, showing original squared cut stone masonry abutment and portion of non-original concrete apron at west base of abutment
- PA-444-21 Detail, northwest wingwall of north abutment, from west, showing original squared cut stone masonry construction and portion of non-original concrete apron

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○ = Photo Locations